

Test Report Concrete Compressive strength

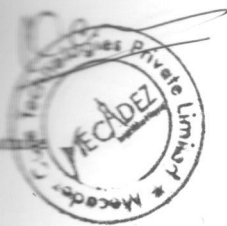
Project:	Residential road from Amruthahalli main road to Jakkur Burial ground in Ward No.05
Executive Engineer, Project Division Yalahanka	
WCTN, SBMP/Project-YNK/2017-2018/QR/01	
Concrete(M20) for wall	
W.P. CRIDL	
Spec:	IS-456 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Site:	
Concrete:	
Date:	15-Jan-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
M20	28	8.15	150*150*150	2414.81	531	0.0225	23.60	23.84	23.86
M20	28	8.04	150*150*150	2382.22	537	0.0225	23.87		
M20	28	7.97	150*150*150	2361.48	541	0.0225	24.04		
M20	28	8.01	150*150*150	2373.33	545	0.0225	24.22	23.88	
M20	28	8.11	150*150*150	2402.96	533	0.0225	23.69		
M20	28	8.00	150*150*150	2370.37	534	0.0225	23.73		

Compressive strength of cement is 23.86 N/mm²

1. Results stated above are based on the tests carried out on the sample at site.
 2. Results are valid only to the items tested.
 3. Results should not be reproduced except in full, without written approval of this laboratory.
 4. Comments regarding the report must be reported immediately.

MECADEZ Core Technologies Private Limited



boots

Test Report

Concrete Compressive strength

Project	Resurfacing road from Amruthahalli main road to Jakkur Burial ground in Ward No.05
Executive Engineer, Project Division Yalahanka	
MCTPL/BBMP/Project-YNK/2017-2018/QR/01	
Concrete(M20) for wall	
M/s K.R.I.D.L	
IS: 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.	
Day	
Concrete	
13-Jun-2018	

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	28	8.25	150*150*150	2444.44	533	0.0225	23.69	23.93	23.95
20	28	8.14	150*150*150	2411.85	539	0.0225	23.96		
20	28	8.07	150*150*150	2391.11	543	0.0225	24.13		
20	28	8.11	150*150*150	2402.96	547	0.0225	24.31	23.97	
20	28	8.21	150*150*150	2432.59	535	0.0225	23.78		
20	28	8.10	150*150*150	2400.00	536	0.0225	23.82		

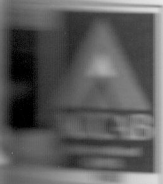
Concrete Compressive strength of cement is 23.95 N/mm²

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Test Report
Concrete Compressive strength

Rehabilitating road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPL/BBMP/Project-YNK/2017-2018/QR/01

Concrete(M20) for wall

M/s. K.R.I.D.L

IS: 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

By

Concrete

S

15-Jun-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	28.00	8.34	150*150*150	2471.11	535	0.0225	23.78	24.01	24.04
20	28.00	8.23	150*150*150	2438.52	541	0.0225	24.04		
20	28.00	8.16	150*150*150	2417.78	545	0.0225	24.22		
20	28.00	8.20	150*150*150	2429.63	549	0.0225	24.40	24.06	
20	28.00	8.30	150*150*150	2459.26	537	0.0225	23.87		
20	28.00	8.19	150*150*150	2426.67	538	0.0225	23.91		

Compressive strength of cement is

24.04 N/mm²

Observations above are based on the tests carried out on the sample at site.

Observations only to the items tested.

Observations should not be reproduced except in full, without written approval of this laboratory.

Observations regarding the report must be reported immediately.

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Test Report
Concrete Compressive strength

Asphalting road from Amruthahalli main road to Jakkur Burial ground in Ward No.05
Executive Engineer, Project Division Yalahanka
WCTPL/BBMP/Project-YNK/2017-2018/QR/01
Concrete(M20) for wall
W/s. K.R.I.D.L
IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.
Bay
Concrete
S
13-Jun-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m³)	Max. Load (KN)	Area (m²)	Compressive Strength (N/mm²)	Avg. Sample Strength	Avg. Strength
20	28	8.44	150*150*150	2500.74	537	0.0225	23.87	24.10	24.13
20	28	8.33	150*150*150	2468.15	543	0.0225	24.13		
20	28	8.26	150*150*150	2447.41	547	0.0225	24.31		
20	28	8.30	150*150*150	2459.26	551	0.0225	24.49	24.15	
20	28	8.40	150*150*150	2488.89	539	0.0225	23.96		
20	28	8.29	150*150*150	2456.30	540	0.0225	24.00		

Compressive strength of cement is 24.13 N/mm²

Results indicated above are based on the tests carried out on the sample at site.
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Test Report
Steel

Unpaved road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPL/BBMP/Project-YNK/2017-2018/QR/01

WCTPL

Date

Time

Place

10-Apr-2017

Size in mm	Weight in Kg/mtr	Average Weight Kg/mtr	Ultimate Load in KN	Ultimate Tensile stress in N/mm ²	Average Ultimate Tensile Stress N/mm ²	Elongation in mm	Bending and Rebending
8	0.395	0.4	32.2	640.6	622.7	20	OK
8	0.398		30.4	604.79			
10	0.601	0.6	47.2	600.97	597.15	20	OK
10	0.593		46.6	593.33			
12	0.896	0.88	72.8	643.69	631.32	20	OK
12	0.872		70	618.94			
16	1.598	1.6	118.5	589.37	595.59	20	OK
16	1.605		121	601.8			

Results indicated above are based on the tests carried out on the sample at site.

Results relate only to the items tested.

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Test Report
Concrete Compressive strength

Location: Road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Project Name: Project Division Yalahanka

Project No: PMS/2017-2018/QR/01

Contract No:

Reference: IS 456 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Sl. No.	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
1	6.79	0	2011.85	320	0.0225	14.22	14.00	14.13
2	6.83	0	2023.70	310	0.0225	13.78		
3	6.89	0	1981.93	315	0.0225	14.00		
4	7.00	0	2077.04	318	0.0225	14.13	14.27	
5	6.82	0	2020.74	325	0.0225	14.44		
6	6.79	0	2012.15	320	0.0225	14.22		

14.13 N/mm²

Test carried out on the sample at site.

Test carried out in full, without written approval of this laboratory.

Test carried out immediately.

Test carried out immediately.

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Test Report
Concrete Compressive strength

Existing road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Responsible Engineer, Project Division Yalahanka

Project No. YNK/2017-2018/QR/01

Contract No.

Project No.

IS: 456-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Date

Time

Place

Remarks

Signature

Date

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Place

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
M20	7	6.69	0	1982.22	252	0.0225	11.20	11.76	11.81
M20	7	6.73	0	1994.07	272	0.0225	12.09		
M20	7	6.59	0	1952.30	270	0.0225	12.00		
M20	7	6.91	0	2047.41	254	0.0225	11.29	11.87	
M20	7	6.72	0	1991.11	267	0.0225	11.87		
M20	7	6.69	0	1982.52	280	0.0225	12.44		

Compressive strength of cement is

11.81 N/mm²

Results are based on the tests carried out on the sample at site.

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Report must be reported immediately.

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Test Report
Concrete Compressive strength

Asphalting road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

MCTPL/BBMP/Project-YNK/2017-2018/QR/01

Concrete(M15)

M/s. K.R.I.D.L

IS: 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

By

Concrete

1

15-Jun-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	28	7.91	0	2343.70	420.00	0.02	18.67	19.33	19.56
20	28	7.80	0	2311.11	435.00	0.02	19.33		
20	28	7.70	0	2281.48	450.00	0.02	20.00		
20	28	7.95	0	2355.56	460.00	0.02	20.44	19.78	
20	28	7.91	0	2343.70	440.00	0.02	19.56		
20	28	7.80	0	2311.11	435.00	0.02	19.33		

Compressive strength of cement is

19.56 N/mm²

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MECADEZ CORE TECHNOLOGIES PRIVATE LIMITED
PROJECT MANAGEMENT & CONSULTANCY SERVICES

Test Report
Concrete Compressive strength

Asphalting road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

MCTPL/BBMP/Project-YNK/2017-2018/QR/01

Concrete(M15)

M/s. K.R.I.D.L

IS : 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

By

Concrete

2

10-Jun-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	28	8.01	0	2373.33	422.00	0.0225	18.76	19.42	19.64
20	28	7.90	0	2340.74	437.00	0.0225	19.42		
20	28	7.80	0	2311.11	452.00	0.0225	20.09		
20	28	8.05	0	2385.19	462.00	0.0225	20.53	19.87	
20	28	8.01	0	2373.33	442.00	0.0225	19.64		
20	28	7.90	0	2340.74	437.00	0.0225	19.42		

Compressive strength of cement is

19.64 N/mm²

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Representing the report must be reported immediately.

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Test Report

Concrete Compressive strength

Regulating road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTP, BBMP/Project-YNK/2017-2018/QR/01

Formwork covering slab

As per CRIDL

IS: 4553 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Day

Concrete

1

13-May-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
M20	7	6.79	150*150*150	2011.85	320	0.0225	14.22	14.00	14.13
M20	7	6.83	150*150*150	2023.70	310	0.0225	13.78		
M20	7	6.69	150*150*150	1981.93	315	0.0225	14.00		
M20	7	7.01	150*150*150	2077.04	318	0.0225	14.13	14.27	
M20	7	6.82	150*150*150	2020.74	325	0.0225	14.44		
M20	7	6.79	150*150*150	2012.15	320	0.0225	14.22		

Compressive strength of cement is

14.13 N/mm²

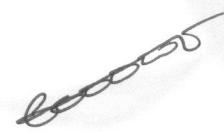
Observations above are based on the tests carried out on the sample at site.

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When presenting the report must be reported immediately.

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Test Report
Concrete Compressive strength

Asphalting road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPL/BBMP/Project-YNK/2017-2018/QR/01

Precast covering slab

M/s. K.R.I.D.L

IS: 4031 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Bay

Concrete

2

20-May-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	7	6.99	150*150*150	2071.11	332	0.0225	14.76	14.58	14.67
20	7	6.95	150*150*150	2059.26	325	0.0225	14.44		
20	7	6.88	150*150*150	2038.52	327	0.0225	14.53		
20	7	7.16	150*150*150	2121.48	332	0.0225	14.76	14.76	
20	7	6.85	150*150*150	2029.63	333	0.0225	14.80		
20	7	6.78	150*150*150	2008.89	331	0.0225	14.71		

Compressive strength of cement is

14.67 N/mm²

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Reporting the report must be reported immediately.

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Test Report
Concrete Compressive strength

Resurfacing road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPD, BEMEP/Project-YNK/2017-2018/QR/01

Resurfacing slab

REMARKS

IS-4621 part 6]-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Date

Location

By

Signature

Date

Place

Project

Client

Contract

Order

Material

Equipment

Method

Result

Remarks

Conclusion

Signature

Date

Place

Project

Client

Contract

Order

Material

Equipment

Method

Result

Remarks

Conclusion

Signature

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Place

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Contract

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Contract

Order

Material

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Result

Remarks

Conclusion

Signature

Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
7.00	7.08	150*150*150	2097.78	334.00	0.0225	14.84	14.67	14.76
7.00	7.04	150*150*150	2085.93	327.00	0.0225	14.53		
7.00	6.97	150*150*150	2065.19	329.00	0.0225	14.62		
7.00	7.25	150*150*150	2148.15	334.00	0.0225	14.84	14.84	
7.00	6.94	150*150*150	2056.30	335.00	0.0225	14.89		
7.00	6.87	150*150*150	2035.56	333.00	0.0225	14.80		

Compressive strength of cement is

14.76 N/mm²

Test results are based on the tests carried out on the sample at site.

Test results are for the items tested.

Test results may be reproduced except in full, without written approval of this laboratory.

Test results must be reported immediately.

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Test Report Concrete Compressive strength

Resurfacing road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTP, BBMP/Project-YNK/2017-2018/QR/01

Concrete covering slab

MS-400

IS-400 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Site

Location

14.08.2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
M20	7	7.18	150*150*150	2127.41	336.00	0.0225	14.93	14.76	14.84
M20	7	7.14	150*150*150	2115.56	329.00	0.0225	14.62		
M20	7	7.07	150*150*150	2094.81	331.00	0.0225	14.71		
M20	7	7.35	150*150*150	2177.78	336.00	0.0225	14.93	14.93	
M20	7	7.04	150*150*150	2085.93	337.00	0.0225	14.98		
M20	7	6.97	150*150*150	2065.19	335.00	0.0225	14.89		

Compressive strength of cement is

14.84 N/mm²

Test results are based on the tests carried out on the sample at site.

Test results are for the items tested.

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Test results report must be reported immediately.

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Test Report Concrete Compressive strength

Rehabilitating road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPL BBMP/Project-YNK/2017-2018/QR/01

Present covering slab

M/S. ERIDL

IS: 4621 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Site

Concrete

October-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
20	28	7.96	150*150*150	2358.52	532.00	0.02	23.64	23.57	23.64
20	28	7.85	150*150*150	2325.93	529.00	0.02	23.51		
20	28	7.78	150*150*150	2305.19	530.00	0.02	23.56		
20	28	7.82	150*150*150	2317.04	542.00	0.02	24.09	23.70	
20	28	7.92	150*150*150	2346.67	528.00	0.02	23.47		
20	28	7.81	150*150*150	2314.07	530.00	0.02	23.56		

Compressive strength of cement is

23.64 N/mm²

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Revising the report must be reported immediately.

MECADEZ Technologies Private Limited



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Test Report
Concrete Compressive strength

Resurfacing road from Amruthahalli main road to Jakkur Burial ground in Ward No.05

Executive Engineer, Project Division Yalahanka

WCTPL, BBMP/Project-YNK/2017-2018/QR/01

Present covering slab

W/o K.R.I.D.L

IS: 4631 (part 6)-1988 & Specification for Road & Bridge Works, MORT&H, Rev. V.

Site

Concrete

13-Jun-2018

Concrete Grade	Age at Test (Days)	Weight (kg)	Dimension (LxWxH)	Density (kg/m ³)	Max. Load (KN)	Area (m ²)	Compressive Strength (N/mm ²)	Avg. Sample Strength	Avg. Strength
M20	28	8.06	150*150*150	2388.15	534.00	0.0225	23.73	23.66	23.73
M20	28	7.95	150*150*150	2355.56	531.00	0.0225	23.60		
M20	28	7.88	150*150*150	2334.81	532.00	0.0225	23.64		
M20	28	7.92	150*150*150	2346.67	544.00	0.0225	24.18	23.79	
M20	28	8.02	150*150*150	2376.30	530.00	0.0225	23.56		
M20	28	7.91	150*150*150	2343.70	532.00	0.0225	23.64		

Compressive strength of cement is

23.73 N/mm²

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Any complaint regarding the report must be reported immediately.

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[Signature]